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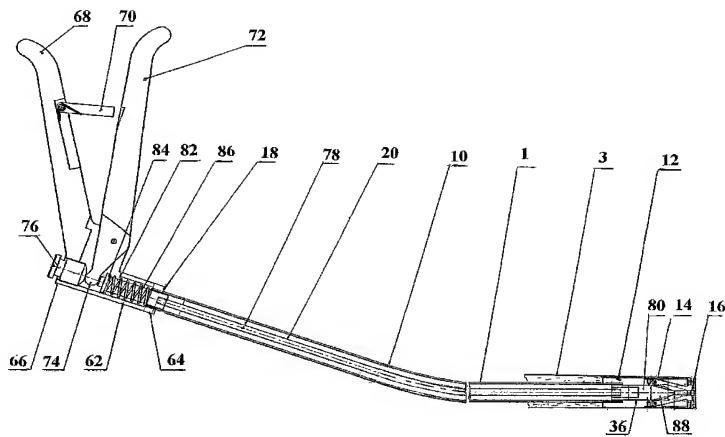
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(54) Title: METHOD AND APPARATUS FOR LAPAROSCOPIC AORTIC REPAIR BY METHOD AND APPARATUS FOR LAPAROSCOPIC AORTIC REPAIR BY INTRAVASCULAR DEVICES



(57) Abstract: The present invention relates to medical methods and apparatus for locating and securing intravascular devices, substantially grafts or stents-grafts, via a laparoscopic duct specially created by surgical procedure to approach a blood vessel lumen. There is suggested a new stapler comprises a tubular body at the proximal end whereto, there is mounted a head with die and die lid, and at the distal end - a control mechanism with a retaining handle and a control lever pivotally attached to the latter, this control lever being operatively connected via a spring-loaded pressure rod with fastener means located in the die. The movement of control lever is transformed into radial forces necessary for punching the wall of the intravascular device and surrounding blood vessel wall, locating and fixating fastener means with simultaneous bending of their ends. Securing the ends of an intravascular device, to the wall of a blood vessel, is performed via a set of at least two staplers, each of them containing simultaneously several fastener means.

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